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NuTech
Conveyor
Components

Technical Data Sheet

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Product: Eagle Opaque 80 Non-Reinforced Round

Description Eagle Opaque 80 Non-Reinforced Round Belting is constructed of solid polyurethane with an 80 Shore A durometer that provides excellent abrasion resistance, high elasticity, and is also self-tensioning.

Specifications

Profile shape: Round
 Profile size: Profile size: 1/4", 10mm, 12mm, 2mm, 3/8", 3mm, 4mm, 5mm, 6.3mm, 6mm, 7mm, 8mm, 9.5mm
 Reinforcement: None
 Color: Opaque
 Compliancy: REACH, RoHS
 Durometer: 80A
 Material: Polyurethane
 Package Length: 100'/30.5m

Physical Properties

Eagle Opaque 80 Non-Reinforced Round

Hardness	80A
FDA Compliant Materials	No
Coefficient of Friction	Stainless Steel: .75; Steel: .65; UHMW: .50
Temperature Range	-22°F to +150°F; -30°C to +66°C



Cross Section	Dimensions Ø		Min Pulley Ø		Working Load @ Percent Tension								Wt/ft lbs	Wt/mtr kg
	inch	mm	inch	mm	4%		6%		8%		10%			
					lbs	N	lbs	N	lbs	N	lbs	N		
2mm		2	0.56	14	0.2	0.8	0.4	1.8	0.5	2.2	0.6	2.7	0.003	0.004
3mm		3	0.81	21	0.5	2.2	0.8	3.6	1.1	4.9	1.4	6.2	0.006	0.009
4mm		4	1.19	30	0.8	3.6	1.4	6.2	2	8.9	2.5	11.1	0.01	0.015
5mm		5	1.38	35	1.3	5.8	2.2	9.8	3.1	13.8	3.9	17.3	0.02	0.03
6mm		6	1.63	42	1.8	8	3	13.3	4.2	18.6	5.3	23.4	0.025	0.04
1/4"	1/4"	6.3	1.75	44	1.8	8	3	13.3	4.2	18.6	5.3	23.4	0.03	0.04
7mm		7	1.93	49	2.6	11.4	4.3	19.1	6	26.3	7.6	33.7	0.03	0.04
8mm		8	2.25	56	3.3	14.7	5.6	24.9	7.8	34	9.9	44	0.04	0.06
3/8"	3/8"	9.5	2.63	67	4	17.6	6.7	29.9	9.4	34.7	11.9	52.7	0.06	0.09
10mm		10	2.75	70	5.2	23.1	8.8	39.1	12.3	54.7	15.4	68.5	0.07	0.1
1/2"	1/2"	12.5	3.5	89	7	31.3	12	53.2	16.7	74.4	21.1	93.7	0.1	0.15
15mm		15	4.13	105	11.6	51.6	19.7	87.6	27.6	122.8	34.7	154.3	0.14	0.21
18mm		18	5	126	16.7	74.3	28.4	126.3	39.7	176.6	50	222.4	0.22	0.33

Dimensions are for reference only.